

ABSTRACT

An optical disc device according to the present invention is provided with, as shown in figures 1 and 2, a high frequency band processing circuit for removing low frequency components of signals outputted from plural photodetectors of a pickup, and generating various kinds of signals required for recording/playback of an optical disc by digital processing after performing AD conversion by a high-speed low-bit AD converter; and a low frequency band processing circuit for removing high frequency components of the signals outputted from the respective photodetectors of the pickup, and generating various kinds of signals required for recording/playback of an optical disc by digital processing after performing AD conversion by a low-speed high-bit time-division AD converter.

Thereby, various kinds of signals required for recording/playback of an optical disc can be generated using a single circuit, whereby the product cost, power consumption, and circuit scale can be reduced.